

GTEC-G6S6A series

Electrical Characteristics

Identical Specification to Commodity ASEC-275G6S6A~ ASEC-295G6S6A

Model	GTEC-275G6S6A	GTEC-280G6S6A	GTEC-285G6S6A	GTEC-290G6S6A	GTEC-295G6S6A
Maximum Power (Pmax)	275wp	280wp	285wp	290wp	295wp
Maximum Power Voltage (Vpm) [V]	30.35	30.50	30.68	30.92	31.09
Maximum Power Current (Ipm) [A]	9.06	9.18	9.29	9.38	9.49
Open Circuit Voltage (Voc) [V]	37.83	38.08	38.32	38.51	38.70
Short Circuit Current (Isc) [A]	9.44	9.55	9.66	9.78	9.90
Module efficiency [%]	17.07%	17.38%	17.69%	18.00%	18.31%
Temperature coefficient of P max [%/K]			-0.4213		
Temperature coefficient of Voc [%/K]			-0.2972		
Temperature coefficient of Isc [%/K]			0.0499		
Series Fuse [A]			12		
Maximum System Voltage [V dc]			1000		
NOCT			43.3°C		

※ Measured at Standard Test Condition (STC): Irradiance of 1000W/m², AM 1.5, and Cell Temperature 25°C

※ Normal Operating Cell Temperature (NOCT): Irradiance of 800W/m², Temperature 20° C, Wind Speed 1m/s

Mechanical Characteristics	
Cell Type	6 inch (3BB / 4BB)
Cell Configuration	60 in series
Cable Length (mm)	1000
Dimension (mm)	1629 x 989 x 40
Weight (kg)	19.0
Backsheet Color	White / Black
Frame Color	Silver / Black
Connectors	MC4 compatible

※ Color of backsheet and frame can be customized.

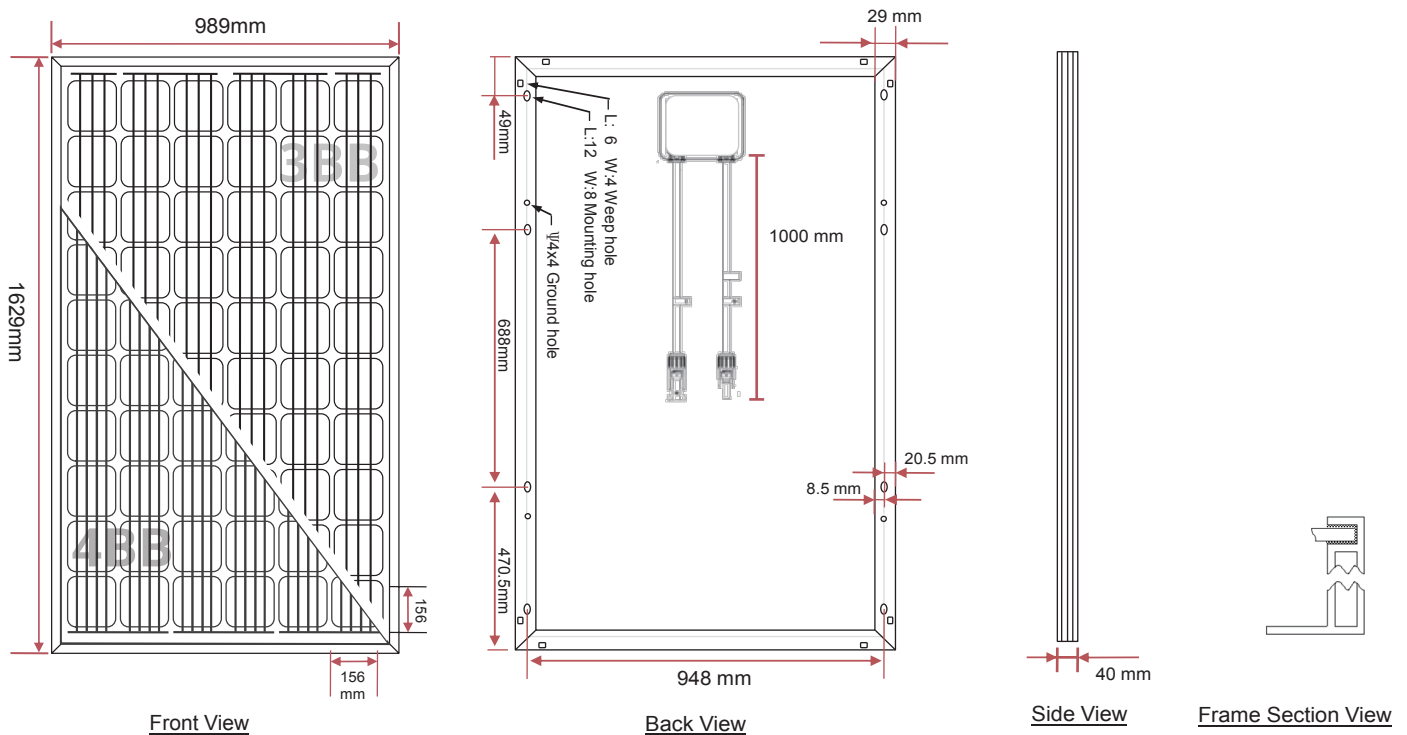
※ Dimension tolerance +/- 1.5mm.

Qualification Test Conditions	
Temperature Cycling Range	-40°C to +85°C
Static Load	5400pa
Hailstone Impact	25mm hail at 23m/s

Warranties	
Performance	12 years 90% Power Guarantee
	25 years 80% Power Guarantee

Certificates

Technical drawing



Note: Design and specifications are subject to change without notice.

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